

**LIST OF TRANSPORTATION PROJECTS  
FROM MTC'S TRANSPORTATION 2030 PLAN  
FOR THE SAN FRANCISCO BAY AREA**



# appendices

# appendices

<b>Appendix One — Projects by County</b> .....	80	<b>Appendix Four — Supplementary Reports</b> .....	137
Bay Area Region/Multi-County .....	80	Environmental Impact Report .....	137
Alameda County.....	83	Transportation Air Quality Analysis.....	137
Contra Costa County .....	91	Project Notebook.....	137
Marin County .....	97	Public Outreach and Involvement Program — Summary Reports .....	137
Napa County .....	99	Equity Analysis Report .....	138
San Francisco County.....	100	Project Performance Evaluation Report.....	138
San Mateo County.....	103	Government-to-Government Consultation With Native American Tribes.....	139
Santa Clara County.....	107	<b>Appendix Five — Related Plans</b> .....	140
Solano County .....	118	Regional Airport System Plan .....	140
Sonoma County.....	121	San Francisco Bay Area Seaport Plan .....	141
<b>Appendix Two — MTC Transportation/ Land-Use Platform</b> .....	125	Draft 2005 San Francisco Bay Area Ozone Strategy.....	141
<b>Appendix Three — Transportation Control Measures (TCMs)</b> .....	131	2002 High-Occupancy-Vehicle (HOV) Lane Master Plan Update .....	142
Federal TCMs.....	131	Regional Bicycle Master Plan .....	142
State TCMs.....	133	Regional Intelligent Transportation Systems (ITS) Architecture and Strategic Plan .....	142
		Regional Goods Movement Study For the San Francisco Bay Area .....	142

# projects by county

## Bay Area Region/Multi-County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Adequate Maintenance</b>					
94540	Carquinez Bridge replacement: construct new suspension bridge west of existing bridges (4 westbound lanes, including a high-occupancy-vehicle (HOV) lane, plus new bicycle/pedestrian pathway) and modify Crockett interchange	\$479.8	\$479.8		Regional Measure 1 Toll Bridge Program; open to traffic; demolition of original bridge remains
94541	New Benicia-Martinez Bridge: construct new bridge span east of existing span (4 mixed-flow lanes and 1 slow-vehicle lane). Includes new toll plaza and upgrades to I-680/I-780 interchange and I-680/Marina Vista Road interchange, and reconstruction of the existing bridge for 4 mixed-flow lanes and bicycle and pedestrian lane.	\$1,057.8	\$1,057.8		Regional Measure 1 & 2 Toll Bridge programs
21012	Golden Gate Bridge seismic retrofit (completes Phases 2 and 3)	\$392.0	\$392.0		Phase 2 is under way
22654	Golden Gate Bridge rehabilitation projects	\$99.4		\$99.4	
98102	South Access to the Golden Gate Bridge: Doyle Drive environmental study	\$16.2	\$16.2		2003 Proposition K sales tax project
94089	Reconstruct South Access to the Golden Gate Bridge: Doyle Drive to Broderick Street	\$446.7	\$446.7		
21013	Rehabilitation of Bay Area state-owned toll bridges	\$238.0	\$238.0		
21014	Richmond-San Rafael Bridge deck replacement	\$53.4	\$53.4		
21015	Seismic retrofit of Bay Area state-owned toll bridges, including San Francisco-Oakland Bay Bridge east span and west span/approach, and Benicia-Martinez, Carquinez and Richmond-San Rafael bridges	\$8,300.0	\$5,085.0	\$3,215.0	
22038	San Francisco-Oakland Bay Bridge toll plaza HOV bypass lanes	\$4.0	\$4.0		
21017	Small transit operators in Alameda, Contra Costa, Napa, Solano and Sonoma counties — transit operating and capital improvement program (including replacement, rehabilitation, and minor enhancements for rolling stock, equipment, fixed facilities other capital assets; does not include system expansion)	\$2,513.8	\$2,497.4	\$16.4	
22636	BART transbay tube earthquake safety (Phase 1)	\$156.0	\$156.0		Regional Measure 2 Toll Bridge Program
22520	BART earthquake safety program (excludes Phase 1 of transbay tube earthquake safety project)	\$1,307.0	\$1,307.0	\$0.0	

## System Efficiency

21001	Freeway Traffic Operations (includes Traffic Operations System/Transportation Management Center enhancements, Freeway Service Patrol, incident management and technical assistance)	\$466.2	\$109.5	\$356.7	
21005	TransLink®	\$363.8	\$338.1	\$25.7	Initial phase funded in Regional Measure 2 Toll Bridge Program
21006	511/Transit (regional transit information systems) and transportation marketing	\$75.9	\$40.7	\$35.2	Initial phase funded in Regional Measure 2 Toll Bridge Program
21008	511/Traffic	\$142.8	\$121.3	\$21.5	

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## Bay Area Region/Multi-County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>System Efficiency</b>					
21007	Rideshare Program	\$54.0	\$54.0		
21010	Performance monitoring	\$3.5	\$3.5		
21011	Transportation for Livable Communities (TLC)/Housing Incentive Program (HIP) — regional and county programs	\$454.0	\$454.0		
21320	Golden Gate Bridge moveable median barrier	\$23.8	\$23.8		
21627	Caltrain electrification from San Francisco to Gilroy	\$602.0	\$602.0		Resolution 3434 Regional Transit Expansion Program; cost shown is the three-county combined cost
22241	Regional Measure 2 Studies (includes regional rail study, transit connectivity study, Water Transit Authority environmental studies, I-680/Pleasant Hill BART connector study and Caldecott Tunnel transit ridership study)	\$19.0	\$19.0		Regional Measure 2 Toll Bridge Program
22242	Real-Time Transit Grant Program	\$20.0	\$20.0		Regional Measure 2 Toll Bridge Program
22244	City CarShare	\$2.5	\$2.5		Regional Measure 2 Toll Bridge Program
22245	Safe Routes to Transit	\$20.0	\$20.0		Regional Measure 2 Toll Bridge Program
22247	Regional Bicycle and Pedestrian Program	\$200.0	\$200.0		
22421	Clean Air Program	\$255.5	\$255.5		
22423	Lifeline Transportation Program	\$216.0	\$216.0		
22425	Surface Transportation Program (STP) and 10-year support for Transportation Planning and Land Use Solutions (T-PLUS) planning funds for counties	\$95.0	\$95.0		
22674	BART Core Capacity Program — system capacity	\$205.0	\$19.4	\$185.6	
22675	BART Core Capacity Program — station access	\$762.6	\$32.0	\$730.6	Includes funding from Regional Measure 2 Toll Bridge Program
22676	BART Core Capacity Program — station capacity	\$625.1	\$47.4	\$577.7	
22677	BART Core Capacity Program — vehicles	\$848.0		\$848.0	
22090	California Interregional Intermodal Study (CIRIS) — rail freight service between Port of Oakland and Central Valley	TBD		TBD	

## Strategic Expansion

94514	I-880/Route 92 interchange improvements	\$133.8	\$133.8		Regional Measure 1 Toll Bridge Program
21066	California High-Speed Rail with terminal in San Francisco	TBD		TBD	
21618	Dumbarton rail corridor (Phase 1)	\$300.0	\$300.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
22719	Dumbarton rail corridor (Phase 2)	\$15.6		\$15.6	

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# projects by county

## Bay Area Region/Multi-County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Strategic Expansion</b> (continued from previous page)					
21619	Caltrain express tracks (Phase 2)	\$482.0	\$390.0	\$92.0	Resolution 3434 Regional Transit Expansion Program. Grade separation and passing track elements in San Mateo County are fully funded. No increase in service level assumed.
22009	Capitol Corridor: Phase 1 intercity rail service (track capacity/frequency improvements from Oakland to San Jose designed to allow 16 daily round trips between Oakland and Sacramento/San Jose)	\$158.0	\$158.0		Resolution 3434 Regional Transit Expansion Program
22003	Capitol Corridor: Phase 2 enhancements	\$96.0	\$96.0		Resolution 3434 Regional Transit Expansion Program
22006	Downtown Ferry Terminal improvements and spare ferry vessels	\$36.0	\$36.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
22243	Regional Measure 2 Express Bus North improvements (includes park-and-ride lots and rolling stock)	\$10.5	\$10.5		Regional Measure 2 Toll Bridge Program
22240	Regional Measure 2 Express Bus South improvements (includes park-and-ride lots, HOV access improvements, and rolling stock)	\$9.0	\$9.0		Regional Measure 2 Toll Bridge Program
22005	ACE service expansion to eight trains	\$128.0	\$50.0	\$78.0	Resolution 3434 Regional Transit Expansion Program
22016	Improvements to high-occupancy-vehicle (HOV) network (including HOV lane gap closures and express bus services); convert HOV network to high-occupancy/toll (HOT) network	\$3,000.0		\$3,000.0	
22001	Sonoma Marin Area Rail Transit District (SMART) commuter rail project (environmental, preliminary engineering and right-of-way)	\$62.0	\$62.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
22513	Sonoma Marin Area Rail Transit District (SMART) commuter rail project (construction reserve only; full project not included in Financially Constrained Element)	\$277.0	\$63.0	\$214.0	Resolution 3434 Regional Transit Expansion Program; no operating funds identified
21342	Caltrain downtown extension/Transbay Terminal replacement (environmental, preliminary engineering and right-of-way acquisition)	\$274.0	\$274.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
22008	Caltrain downtown extension/TransBay Terminal replacement (construction reserve only; full project not included in Financially Constrained Element)	\$1,543.0	\$946.0	\$597.0	Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds and 2003 Proposition K sales tax funds); under construction

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## Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Adequate Maintenance</b>					
94522	Local streets and roads pavement and non-pavement maintenance	\$2,148.1	\$2,148.1		
94001	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$112.4	\$112.4		
22403	Non-Metropolitan Transportation Systems (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$679.3		\$679.3	
94525	BART (Alameda County share based on population) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements, equipment, fixed facilities and other capital assets; does not include expansion except BART-to-SFO extension)	\$6,935.8	\$6,433.0	\$502.8	
94526	AC Transit (Alameda County share based on population) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$6,837.4	\$6,507.3	\$330.1	
94527	Livermore Amador Valley Transit Authority (LAVTA) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$372.4	\$372.4		
21468	Transit operations — AC Transit, Welfare to Work, Alameda ferries, Altamont Commuter Express (ACE), Union City Transit, Livermore Amador Valley Transit Authority (LAVTA) and countywide express bus	\$510.0	\$510.0		2000 Measure B sales tax project
98153	Reconstruct MacArthur Boulevard onramp to restore access to I-80 east-bound and I-580 westbound	\$9.2	\$9.2		100% fully funded
98208	Soundwalls program	\$10.0	\$10.0		
21151	LAVTA maintenance/operations facility	\$19.8	\$19.8		
21460	Iron Horse Trail bicycle, pedestrian and transit route	\$5.8	\$5.8		2000 Measure B sales tax project
21863	Local bridge maintenance	\$74.8	\$74.8		
22007	Bicycle and pedestrian projects	\$200.0	\$200.0		Funding includes \$100 million from 2000 Measure B sales tax program and \$100 million from other sources (Transportation Development Act, Transportation Fund for Clean Air, etc.)
22766	Fruitvale Avenue Railroad Bridge seismic retrofit	\$7.2	\$7.2		
22783	Fruitvale Avenue Roadway Bridge seismic retrofit	\$22.8	\$22.8		
22768	Estuary Bridges seismic retrofit and repairs	\$2.4	\$2.4		
22773	Transit capital replacement, local road rehabilitation and safety projects	\$19.0	\$19.0		2000 Measure B sales tax project
22661	Adeline Street Bridge reconstruction	\$60.0	\$12.0	\$48.0	

# projects by county

## Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>System Efficiency</b>					
94024	Auto/truck separation lane at I-580/I-205 interchange	\$15.7	\$15.7		100% fully funded
98207	I-880/Broadway-Jackson interchange improvements (Phase 1)	\$28.0	\$28.0		
21085	Transportation Operations System (TOS) and ramp metering on I-580 from the San Joaquin county line to the city of Dublin (Phase 1)	\$8.8	\$8.8		
22092	Transportation Operations System (TOS) and ramp metering on I-580 from Dublin to I-880, including I-238 (Phase 2)	\$2.6	\$2.6		
21103	Central Avenue railroad overpass	\$11.7	\$11.7		
21107	I-880/High Street interchange improvements	\$15.9	\$15.9		
21112	Crow Canyon Road safety improvements (Stage 1)	\$5.1	\$5.1		
21114	Washington/Paseo Padre Parkway grade separation	\$72.9	\$72.9		Regional Measure 2 Toll Bridge Program
21125	Route 84 westbound HOV lane extension from Newark Boulevard to I-880	\$6.0	\$6.0		Regional Measure 2 Toll Bridge Program
21126	Route 84 westbound HOV on-ramp from Newark Boulevard	\$6.1	\$6.1		Regional Measure 2 Toll Bridge Program
21138	San Leandro BART Station transit village (Phase 1); includes parking structure, kiss-and-ride and bus circulation improvements	\$29.0	\$29.0		Remaining phases to be funded through private investment
21139	Vasco Road safety improvements	\$19.3	\$19.3		2000 Measure B sales tax project; includes developer fees
21144	I-80/Gilman Avenue interchange improvements (includes roundabouts)	\$1.5	\$1.5		
21145	Corridor Management Program: signal interconnect, transit priority, SMART corridors and other improvements	\$20.0	\$20.0		
21451	East 14th Street/Hesperian Boulevard/150th Street channelization improvements	\$1.8	\$1.8		2000 Measure B sales tax project
21456	I-580 auxiliary lanes between Santa Rita Road/Tassajara Road and Airway Boulevard interchanges	\$11.9	\$11.9		2000 Measure B sales tax project
21464	Paratransit for AC Transit, BART, non-mandated city programs, service gap coordination	\$243.0	\$243.0		2000 Measure B sales tax project
21465	Transit enhancements funded by transit center development funds	\$4.4	\$4.4		2000 Measure B sales tax project
21466	Washington Avenue/Beatrice Street interchange improvements	\$1.4	\$1.4		2000 Measure B sales tax project
21470	I-680/Sunol Boulevard ramp improvements (includes signal improvements and widening under existing structure)	\$0.9	\$0.9		
21480	Route 84/Ardenwood Boulevard westbound offramp intersection improvements	\$0.6	\$0.6		100% locally funded
21486	Paseo Padre Parkway/Peralta Boulevard (Route 84) intersection improvements	\$0.5	\$0.5		100% locally funded

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## Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>System Efficiency</b>					
21488	Warren Avenue/Warm Springs Boulevard intersection improvements	\$0.5	\$0.5		
21489	I-580/San Ramon Road/Foothill Road interchange improvements	\$3.9	\$3.9		100% locally funded
21493	I-580/I-680 Transportation Operations System (TOS)	\$4.4	\$4.4		
21896	Route 84 vertical and horizontal alignment improvements in Fremont (from 3 miles east of I-680 to 5.1 miles east of I-680)	\$28.4	\$28.4		State Highway Operation and Protection Program (SHOPP) project
22002	Extend HOV lane on I-880 northbound from existing HOV terminus at Bay Bridge approach to Maritime on-ramp	\$5.0	\$5.0		Regional Measure 2 Toll Bridge Program
22056	Ed Roberts Campus at Ashby BART Station	\$11.2	\$11.2		
22059	Improve downtown streets and pedestrian plaza surrounding Berkeley BART Station	\$5.0	\$5.0		
22080	Oakland Citywide Intelligent Transportation Systems (ITS) (Phase 1)	\$13.0	\$13.0		
22082	Reconstruct 7th Street/Union Pacific Railroad grade separation	\$68.8	\$68.8		
22100	Replace I-880/Davis Street overcrossing	\$10.2	\$10.2		
22101	Replace I-880/Marina Boulevard overcrossing	\$8.0	\$8.0		
22110	University Avenue traffic management and streetscape enhancements to support enhanced bus service	\$5.0	\$5.0		
22469	East Dublin/Pleasanton BART Station transit village	\$22.0	\$22.0		
22657	I-205/I-580 Altamont Pass westbound truck lane	\$58.9	\$58.9		
22761	I-880 from Hegenberger Road to I-980 operation improvements (includes freight movement to Port of Oakland)	\$20.0	\$20.0		
22763	Reconstruct southbound I-880 on- and off-ramps in conjunction with I-880/5th Street seismic retrofit	\$20.0	\$20.0		
22769	I-880/29th Avenue interchange safety and access improvements	\$15.0	\$15.0		Regional Measure 2 Toll Bridge Program
22770	Traffic signal on Grand Avenue at Rose Avenue/Arroyo Avenue intersection in Piedmont	\$0.3	\$0.3		
22771	Reconfigure Marin Avenue from San Pablo Avenue to Albany/Berkeley city line from 2 lanes to 1 lane in each direction to accommodate turn lane and bike lanes	\$1.0	\$1.0		
22774	Bicycle and pedestrian improvements in Cherryland/Ashland and South Hayward areas as recommended in community-based transportation plan	\$12.0	\$12.0		
22775	Broadway Avenue and Telegraph Avenue bus, BART, bicycle and taxi integration improvements	\$10.6	\$10.6		2000 Measure B sales tax project

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# projects by county

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In millions of 2004 dollars					
<b>System Efficiency</b> (continued from previous page)					
22777	I-580 on- and off-ramp improvements in Castro Valley	\$25.2	\$25.2		2000 Measure B sales tax project
22778	Lewelling Boulevard/East Lewelling Boulevard road modifications from Hesperian Boulevard to East 14th Street to improve channelization and accommodate pedestrian and bicycle facilities	\$20.5	\$20.5		2000 Measure B sales tax project
22779	Route 262/Warren Avenue/I-880 interchange improvements (including Union Pacific Railroad grade separation) (Phase 2)	\$52.0	\$52.0		
22781	Traffic signals in Albany	\$0.5	\$0.5		
22782	Transit-oriented development (including replacement parking) at MacArthur, West Oakland, and/or Coliseum BART Stations	\$136.0	\$25.0	\$111.0	Fruitvale Village Phase 2 included in Vision Element
22784	Narrow First Street between P Street and Maple Street from 4 lanes to 2 lanes to calm traffic and accommodate pedestrians	\$10.0	\$10.0		
22785	Construct I-580 eastbound auxiliary lane from First Street to Vasco Road	\$2.0	\$2.0		
22786	Install ramp metering on all existing ramps along I-580 in Livermore	\$1.5	\$1.5		
22787	Realign Isabel/Vallecitos intersection for through movement on Route 84	\$0.9	\$0.9		
21196	Union City Intermodal Station (Phase 3), includes BART parking structure to support transit village	\$20.0		\$20.0	
22085	Various grade separations at Union Pacific railroad tracks (including Market Street, Martin Luther King Way, High Street, 98th Street)	\$169.0		\$169.0	
22086	I-880 incident management, ramp metering and traveler information	\$20.0		\$20.0	
22087	I-880/Oak Street on-ramp reconstruction	\$30.0		\$30.0	
22088	I-580/I-238 interchange truck bypass	\$15.0		\$15.0	
22089	Various railroad track and signal improvements between Emeryville and Richmond, and Richmond and Pittsburg; new railroad tracks between Port of Oakland and Emeryville; and grade separation structures in Richmond at Marina Bay Parkway	\$100.0		\$100.0	
22508	Alameda County lifeline transit priorities	\$729.0		\$729.0	
22647	Low-income student bus pass program	\$12.0		\$12.0	
22659	Ashby BART Station transit-oriented development in west parking lot, and station capacity improvements	\$40.0		\$40.0	
22671	Construct direct HOV connection between southbound I-880 to westbound Route 84 (Dumbarton Bridge approach)	TBD		TBD	
22673	I-880 modernization and ramp reconfiguration in Oakland as identified in the I-880 Safety & Operations Study	TBD		TBD	

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## Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Strategic Expansion</b>					
94012	Union City Intermodal Station (Phase 1)	\$33.9	\$33.9		
94030	Reconstruct I-880/Route 262 interchange and widen I-880 from Route 262 (Mission Boulevard) to the Santa Clara County line from 8 lanes to 10 lanes (8 mixed-flow and 2 HOV lanes)	\$162.6	\$162.6		
94504	Construct 4-lane airport roadway (mostly on Port of Oakland property) from I-880/98th Avenue interchange to Oakland International Airport and then to Bay Farm Island	\$114.7	\$114.7		1986 Measure B sales tax project
94506	Widen Route 84 to 6-lane parkway from I-880 to Paseo Padre and 4-lane parkway from Paseo Padre to Mission Boulevard along the Historic Parkway alignment	\$118.2	\$118.2		1986 Measure B sales tax project
22666	Route 84 high-occupancy/toll (HOT) lanes in Tri-Valley	\$215.0		\$215.0	
98139	ACE station/track improvements in Alameda County (including parking improvements at Vasco Road and downtown Livermore stations)	\$20.1	\$20.1		
21100	I-580/Vasco Road interchange improvements	\$40.0	\$40.0		
21101	Extend Tinker Avenue from Webster Street to 5th Avenue (includes Transit Center at College of Alameda)	\$14.8	\$14.8		
21105	I-580/Isabel interchange improvements (Phases 1 and 2)	\$100.0	\$100.0		2000 Measure B sales tax project
21123	Union City Intermodal Station infrastructure improvements (Phase 2)	\$50.0	\$50.0		
21131	BART-Oakland International Airport connector	\$254.3	\$254.3		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
21132	BART extension to Warm Springs	\$678.0	\$678.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
21133	New West Dublin/Pleasanton BART Station	\$53.0	\$53.0		
21134	Rapid Bus Transit (RBT) in the San Pablo Corridor	\$2.0	\$2.0		
21149	Upgrade express bus services in Dumbarton corridor	\$4.0	\$4.0		
21157	I-80/Ashby Avenue/Shellmound Street interchange modifications	\$2.8	\$2.8		
21159	AC Transit facilities expansion in northern Alameda County	\$2.0	\$2.0		
21185	Extend Eden Road from Doolittle Drive to city of San Leandro water pollution control plant	\$2.0	\$2.0		
21417	Dumbarton Express park-and-ride: 90 spaces on Decoto Road near I-880 by the Dumbarton Bridge (includes right-of-way acquisition)	\$1.5	\$1.5		

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# projects by county

## Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Strategic Expansion</b> <i>(continued from previous page)</i>					
21455	Widen I-238 between I-580 and I-880 from 4 lanes to 6 lanes, includes auxiliary lanes on I-880 south of I-238	\$108.0	\$108.0		2000 Measure B sales tax project
21467	Extend Westgate Parkway along eastern edge of Westgate Shopping Center between Williams Street and Davis Street	\$10.6	\$10.6		2000 Measure B sales tax project
21472	I-680/Bernal Avenue interchange improvements	\$17.5	\$17.5		100% locally funded
21473	Construct a 4-lane major arterial connecting Dublin Boulevard and North Canyons Parkway	\$10.0	\$10.0		
21475	I-580/First Street interchange improvements	\$30.0	\$30.0		
21477	I-580/Greenville Road interchange improvements	\$35.0	\$35.0		
21482	Extend Fremont Boulevard to connect to I-880/Dixon Landing Road	\$4.5	\$4.5		100% locally funded
21483	Widen Stevenson Boulevard from I-880 to Blacow Road from 4 lanes to 6 lanes	\$1.0	\$1.0		100% locally funded
21484	Widen Kato Road from Warren Avenue to Milmont Drive	\$3.0	\$3.0		100% locally funded
21487	Widen Mowry Avenue from Mission Boulevard to Peralta Boulevard	\$0.5	\$0.5		100% locally funded
21492	Extend Scarlett Drive from Dublin Boulevard to Dougherty Road	\$5.8	\$5.8		2000 Measure B sales tax project
21886	Widen unimproved segment of Industrial Parkway between Whipple Road and improved segment of Industrial Parkway from 2 lanes to 4 lanes	\$0.5	\$0.5		TEA-21 federal earmark project
21992	AC Transit bus corridor improvements	\$20.0	\$20.0		
22013	I-580 corridor improvements (widen I-580 in both directions for HOV and auxiliary lanes from Tassajara Road to Greenville Road, construct HOV direct connector from westbound I-580 to southbound I-680, construct eastbound truck climbing lane from Flynn Road to Greenville Road [Altamont Summit], and acquire express buses)	\$445.0	\$445.0		Resolution 3434 Regional Transit Expansion Program Project (includes Regional Measure 2 Toll Bridge Program funds)
22664	I-580 high-occupancy/toll (HOT) lanes from Greenville Road west to I-680	\$50.0		\$50.0	
22021	AC Transit transfer station and park-and-ride facility in central Alameda County	\$3.5	\$3.5		
22042	Widen I-680 for northbound HOV lane from Route 237 to Stoneridge Drive (includes ramp metering and auxiliary lanes)	\$165.0	\$165.0		Project is jointly funded by Alameda and Santa Clara counties
22062	Construct infrastructure for future Irvington BART Station	\$2.4	\$2.4		
22063	Route 238 corridor improvements between Foothill Boulevard/Mattox Road to Mission Boulevard/Industrial Parkway (includes adding a lane throughout the corridor and grade separations at the Foothill/Mission/Jackson interchange)	\$150.0	\$150.0		This project replaces the Route 238 Bypass project
22084	Oakland International Airport North Field access road	\$10.4	\$10.4		

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<sup>2</sup> Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

# Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Strategic Expansion</b>					
22455	AC Transit Bus Rapid Transit (BRT) and Enhanced Bus, Phase 1: Telegraph Avenue/International Boulevard corridor	\$167.0	\$167.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
21153	AC Transit Bus Rapid (BRT) and Enhanced Bus, Phase 2: Telegraph Avenue/International Boulevard corridor	\$164.4		\$164.4	
22509	Alameda/Oakland to San Francisco ferry service and Harbor Bay to San Francisco ferry service	\$12.0	\$12.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
22511	Berkeley/Albany to San Francisco ferry service	\$22.0	\$22.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
22760	Outer Harbor intermodal terminal (formerly known as Joint Intermodal Terminal [JIT] expansion)	\$87.5	\$87.5		
22764	Construct auxiliary lane on I-880 between Hegenberger Road and 66th Avenue and shift merge point of the westbound Hegenberger Road to I-880 on-ramp	\$4.6	\$4.6		
22776	Widen Route 84 from 2 lanes to 4 lanes from north of Pigeon Pass to Vineyard Avenue and 2 lanes to 4 or 6 lanes from Vineyard Avenue to Jack London Boulevard	\$120.8	\$120.8		
22796	Construct 4-lane arterial connection between future eastern end of Dublin Boulevard in Dublin to North Canyons Parkway in Livermore	\$10.0	\$10.0		100% locally funded
22990	Widen Route 262 from I-880 to Warm Springs Boulevard (including reconstructing Route 262/I-880 and Route 262/Kato Road interchanges) and reconstruct Union Pacific Railroad underpasses	\$38.3	\$38.3		
22991	Widen I-680 for southbound high-occupancy-vehicle (HOV)/high-occupancy/toll (HOT) lane from Route 237 to Route 84 (includes ramp metering and auxiliary lanes)	\$223.0	\$223.0		2000 Traffic Congestion Relief Program (TCRP) and 2000 Measure B sales tax project
22064	Convert southbound high-occupancy-vehicle (HOV) lane on I-680 between Route 84 and Route 237 into high-occupancy/toll (HOT) lane	\$20.0	\$20.0		
21093	Route 92/Clawiter Road/Whitesell Street interchange improvements	\$39.0	\$26.6	\$12.4	
21154	AC Transit bus acquisition for transbay, express, subscription or local services	\$38.0		\$38.0	
22780	AC Transit major corridor enhancements, Phase 1 — Bus Rapid elements: includes MacArthur Boulevard/West Grand Avenue; College Avenue/University Avenue; Shattuck Avenue/The Alameda; Foothill Boulevard; Sacramento Street/Market Street; Mission Boulevard/Outer East 14th Street; Hesperian Boulevard	\$97.0	\$97.0		Resolution 3434 Regional Transit Expansion Program
21160	AC Transit major corridor enhancements, Phase 2 — beyond Bus Rapid improvements: MacArthur Boulevard/West Grand Avenue; College Avenue/University Avenue; Shattuck Avenue/The Alameda; Foothill Boulevard; Sacramento Street/Market Street; Mission Boulevard/Outer East 14th Street; Hesperian Boulevard	\$216.0		\$216.0	

(Continues on next page)

# projects by county

## Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Strategic Expansion</b> (continued from previous page)					
22106	Extend Whitesell Street as a 4-lane arterial from Enterprise to Depot Road	\$11.0		\$11.0	
22432	Construct Irvington BART Station	\$76.0		\$76.0	
22660	Widen I-880 by adding one lane in each direction between Whipple and Jackson	TBD		TBD	
22667	Tri-Valley rail extension from Dublin/Pleasanton BART Station to Greenville Road in the I-580 median	\$900.0		\$900.0	
22668	Add northbound and southbound I-680 HOV lanes between Route 84 in Alameda County to Alcosta Boulevard in Contra Costa County	\$180.0		\$180.0	
22670	Widen I-880 for HOV lanes northbound from Hacienda overcrossing to 98th Avenue and southbound from 98th Avenue to Marina Boulevard	TBD		TBD	

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## San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Adequate Maintenance</b>					
94662	Local streets and roads pavement and non-pavement maintenance	\$1,354.6	\$1,354.6		
94093	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$29.0	\$29.0		
22408	Non-Metropolitan Transportation Systems (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$178.0		\$178.0	
94656	Devil's Slide bypass	\$280.0	\$280.0		
94664	Caltrain (San Mateo County share) — transit operating and capital improvement program (including replacement, rehabilitation and system enhancements for rolling stock, equipment, fixed facilities and other capital assets). Station improvements (e.g., platforms) are included.	\$1,254.7	\$1,076.7	\$178.0	
94666	SamTrans — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$3,081.6	\$3,021.6	\$60.0	
21876	BART (San Mateo County share) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements, equipment, fixed facilities and other capital assets; does not include expansion except BART-to-SFO extension)	\$1,384.1	\$1,283.8	\$100.3	
21630	Continuation of SamTrans express service	\$3.0	\$3.0		Regional Measure 2 Toll Bridge Program
21867	Local bridge maintenance	\$31.3	\$31.3		
22261	Route 1/San Pedro Creek Bridge replacement project (initial phase)	\$6.2	\$6.2		
94667	SamTrans Americans With Disabilities Act (ADA) services	\$60.0	\$30.0	\$30.0	2004 Measure A sales tax project

## System Efficiency

94100	U.S. 101 auxiliary lanes from Marsh Road to Route 92	\$59.9	\$59.9		1988 Measure A sales tax project; under construction
94644	Route 92 westbound slow vehicle lane between Route 35 and I-280	\$58.0	\$12.5	\$45.5	
98176	U.S. 101 auxiliary lanes from 3rd Avenue to Millbrae and U.S. 101/Peninsula Avenue interchange reconstruction	\$81.7	\$81.7		
21349	U.S. 101/Ralston Avenue interchange improvement	\$14.4	\$14.4		
21602	U.S. 101/Broadway interchange reconstruction	\$56.0	\$56.0		
21603	U.S. 101/Woodside Road interchange improvements	\$50.0	\$50.0		
21606	U.S. 101/Willow Road interchange reconstruction	\$49.5	\$49.5		
21607	U.S. 101/University Avenue interchange reconstruction	\$4.9	\$4.9		

(Continues on next page)

# projects by county

## San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>System Efficiency</b> (continued from previous page)					
21608	U.S. 101 northbound and southbound auxiliary lanes from Marsh Road to Santa Clara County line	\$91.2	\$91.2		
21615	I-280/Route 1 interchange safety improvements	\$54.0	\$54.0		1988 and 2004 Measure A sales tax project
21623	Caltrain local station improvements in San Mateo County	\$67.0	\$67.0		1988 Measure A sales tax project
21624	Transit-Oriented Development Incentives Program	\$30.0	\$30.0		
21626	Caltrain grade separation program (San Mateo County)	\$297.0	\$297.0		1988 and 2004 Measure A sales tax project
22223	U.S. 101/Peninsula Avenue southbound ramps	\$32.0	\$32.0		2004 Measure A sales tax project
22230	I-280 auxiliary lanes from I-380 to Hickey Boulevard	\$100.0	\$100.0		2004 Measure A sales tax project
22262	U.S. 101 and Route 92 ramp metering, Traffic Operations System (TOS) and fiber communications project	\$9.6	\$2.0	\$7.6	
22264	I-280 North and I-380 ramp metering, Traffic Operations System (TOS), fiber communications project	\$9.4	\$2.0	\$7.4	
22265	I-280 South and Route 92 ramp metering, Traffic Operations System (TOS) and fiber communications project	\$6.1	\$2.0	\$4.1	
22274	Intelligent Transportation System (ITS) improvements in San Mateo County	\$20.0	\$20.0		2004 Measure A sales tax project
22424	BART Advanced Automatic Train Control (AATC) Phase V — Daly City to Millbrae/SFO	\$53.0	\$53.0		
22756	U.S. 101/Candlestick interchange reconstruction	\$47.7	\$47.7		
21604	U.S. 101 auxiliary lanes from Sierra Point to San Francisco County line	\$6.0		\$6.0	
21610	U.S. 101 auxiliary lanes from San Bruno Avenue to Grand Avenue	\$26.3		\$26.3	
21893	Route 92 between Half Moon Bay city limits and Pilarcitos Creek alignment and shoulder improvements	\$30.0		\$30.0	
22224	Caltrain and California High-Speed Rail grade separations and station in Atherton	\$66.1		\$66.1	
22229	U.S. 101/Sierra Point Parkway interchange replacement	\$14.0		\$14.0	

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## San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>System Efficiency</b>					
22231	Widen north side of John Daly Boulevard/I-280 overcrossing for additional westbound traffic lane and dedicated right-turn lane for southbound I-280 off-ramp	\$9.0		\$9.0	
22232	Construct streetscape improvements on Mission Street from San Pedro Road to John Daly Boulevard	\$12.4		\$12.4	
22751	Route 1 operational and safety improvements in Half Moon Bay area	\$30.0	\$30.0		2004 Measure A sales tax project
<b>Strategic Expansion</b>					
94643	Widen Route 92 between Route 1 and Half Moon Bay city limits	\$13.9	\$13.9		
98204	Construct Route 1 northbound and southbound lanes from Fassler Avenue to Westport Drive in Pacifica	\$15.5	\$15.5		
21605	U.S. 101/Oyster Point Boulevard interchange improvements (Phases 2 and 3)	\$40.0	\$40.0		
22125	Ferry service from South San Francisco to San Francisco	\$30.0	\$30.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
22236	Study of Hillsdale Transit Center relocation	\$3.0	\$3.0		
22239	Manor Drive/Route 1 overcrossing widening and improvement project	\$12.0	\$12.0		2004 Measure A sales tax project
22268	Countywide shuttle service programs	\$68.0	\$38.0	\$30.0	2004 Measure A sales tax project
22282	U.S. 101 operational improvements near Route 92	\$10.0	\$10.0		2004 Measure A sales tax project
21609	I-280/I-380 local access improvements from Sneath Lane and San Bruno Avenue to I-380	\$13.5		\$13.5	
21892	Widen Route 84 from 4 lanes to 6 lanes from El Camino Real to Broadway	\$11.0		\$11.0	
22120	Ferry service from Redwood City to San Francisco to Alameda (capital reserve only; full project not included in Financially Constrained Element)	\$23.0	\$23.0		Resolution 3434 Regional Transit Expansion Program; no operating funds identified
22227	Extend Geneva Avenue from Bayshore Boulevard to U.S. 101/Harney ramps from 4 lanes to 6 lanes (includes grade separation with Caltrain tracks and Tunnel Avenue)	\$64.8		\$64.8	Expect 50% of the project to be funded through developer fees
22228	Extend Lagoon Way to connect to U.S. 101, Bayshore Boulevard and Guadalupe Canyon Parkway	\$16.5		\$16.5	Expect 25% of the project to be funded through developer fees
22267	Union Pacific Railroad right-of-way acquisition for transit, bicycle and pedestrian use	\$8.0		\$8.0	
22271	Widen Skyline Boulevard (Route 35) to 4-lane roadway from I-280 to Sneath Lane	\$40.0		\$40.0	

(Continues on next page)

# projects by county

## San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Strategic Expansion</b> <i>(continued from previous page)</i>					
22279	U.S. 101/Produce Avenue interchange project	\$77.3		\$77.3	
22615	Dumbarton rail corridor and station improvements	\$30.0	\$30.0		2004 Measure A sales tax project
21612	Improve Dumbarton Bridge access to U.S. 101	\$70.0	\$70.0		2004 Measure A sales tax project
21613	Route 92 improvements from San Mateo-Hayward Bridge to I-280, includes uphill passing lane from U.S. 101 to I-280	\$100.0	\$100.0		2004 Measure A sales tax project
22726	South San Francisco to Alameda ferry service	\$5.0	\$5.0		Resolution 3434 Regional Transit Expansion Program
22226	Caltrain Bayshore intermodal station: cross platform transfers with Third Street LRT and improve bus connections	\$36.8	\$36.8		
22732	Hillsdale Transit Center relocation	\$34.0		\$34.0	

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## Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Adequate Maintenance</b>					
94609	Local streets and roads pavement and non-pavement maintenance	\$2,129.8	\$2,129.8		
94106	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$201.5	\$201.5		
22903	Non-Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement maintenance	\$1,316.9	\$100.0	\$1,216.9	
94610	Valley Transportation Authority (VTA) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$11,054.5	\$10,300.5	\$754.0	
94613	Caltrain (Santa Clara County portion) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$1,256.2	\$1,076.7	\$179.5	
22480	BART (Santa Clara County share) — transit operating and capital improvement program (including replacement, rehabilitation, and minor enhancements, equipment, fixed facilities and other capital assets; does not include expansion)	\$2,540.1	\$2,355.7	\$184.4	
20002	Route 85 noise mitigation between I-280 and Route 87	\$7.0	\$7.0		
21750	VTA landscape restoration and graffiti removal program	\$0.5	\$0.5		
21754	VTA soundwall program	\$10.0	\$10.0		
21868	Local bridge maintenance	\$129.4	\$129.4		
22152	Reconstruct Mathilda Avenue bridge over Caltrain tracks and Evelyn Avenue	\$17.4	\$17.4		
22807	Caltrain local station improvements	\$87.2	\$87.2		
22853	Alma Bridge replacement feasibility study	\$0.3	\$0.3		
22873	Replace Loyola Bridge bicycle/pedestrian crossing over Foothill Expressway	\$10.0	\$10.0		
22890	Adobe Creek bike/pedestrian bridge replacement	\$0.5	\$0.5		

### System Efficiency

96002	Route 152 safety improvements from Uvas Creek to Route 156 near Gilroy	\$21.1	\$21.1		
98103	Construct auxiliary lane on northbound Route 17 from Camden Avenue to Hamilton Avenue (including improvements to northbound on-ramp from Camden Avenue)	\$12.0	\$12.0		

(Continues on next page)

# projects by county

## Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>System Efficiency</b> (continued from previous page)					
21558	Foothill Expressway traffic and signal operational improvements from Edith Avenue to El Monte Avenue, and at Grant Avenue/St. Joseph Avenue intersection	\$1.5	\$1.5		
21703	I-880/Coleman Avenue interchange improvements	\$70.0	\$70.0		
21705	Route 237/El Camino Real/Grant Road intersection improvements	\$3.0	\$3.0		
21713	Construct auxiliary lane on eastbound Route 237 from North First Street to Zanker Road	\$15.0	\$15.0		
21715	Route 152/Route 156 interchange improvements	\$27.3	\$27.3		
21718	Route 85 northbound and southbound auxiliary lanes between Homestead Avenue and Fremont Avenue	\$19.0	\$19.0		
21719	I-880/I-280/Stevens Creek Boulevard interchange improvements (Phase I)	\$14.0	\$14.0		
21724	Widen U.S. 101 for northbound and southbound auxiliary lane from Trimble Road to Montague Expressway	\$10.0	\$10.0		
21729	Mary Avenue bicycle and pedestrian overcrossing at I-280	\$7.0	\$7.0		
21730	Los Gatos Creek Trail from Lincoln Avenue to Auzerais	\$2.0	\$2.0		
21731	Los Gatos Creek Trail from San Fernando Street to San Carlos Street	\$3.0	\$3.0		
21733	Uvas Creek Class 1 Trail connection to Gilroy Sports Park (Phases 1 and 2 from Thomas Road Bridge to Gilroy Sports Park)	\$0.5	\$0.5		
21735	San Tomas Aquino Creek Trail (Route 237 to Santa Clara city limits)	\$19.7	\$19.7		Route 237 to Mission College Boulevard segment is complete
21737	Borregas Avenue bicycle and pedestrian overcrossings at U.S. 101 and Route 237	\$7.4	\$7.4		
21738	West Little Llagas Creek bicycle and pedestrian pathway from Spring Road to Watsonville Road	\$2.0	\$2.0		
21739	Union Pacific bicycle and pedestrian overcrossing from Gibraltar Court to Montague Expressway	\$3.0	\$3.0		
21741	Bicycle and pedestrian improvements on Hamilton Avenue from Salmar to Creekside (Route 17)	\$2.0	\$2.0		
21742	River Oaks Parkway bike and pedestrian bridge at Guadalupe River	\$3.0	\$3.0		
21743	Bicycle improvements on Almaden Expressway between Ironwood Drive and Foxworthy	\$2.0	\$2.0		
21744	Bike and pedestrian overcrossing at Caltrain railroad tracks near Brokaw Road	\$5.0	\$5.0		
21745	De Anza Trail (Reach 3)	\$3.0	\$3.0		

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## Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>System Efficiency</b>					
21746	Cox Avenue/Southern Pacific railroad intersection improvements; includes improvements to grade crossings and bicycle paths	\$1.0	\$1.0		
21768	Caltrain local station improvements	\$110.0	\$110.0		
21785	U.S. 101/Blossom Hill Road interchange improvements	\$7.0	\$7.0		
21786	U.S. 101/Hellyer Avenue interchange modifications	\$11.0	\$11.0		100% locally funded
21831	Montague Expressway level-of-service improvements from U.S. 101 to North First Street	\$9.0	\$9.0		1996 Measure B sales tax project (partial funding)
21832	Central Expressway level-of-service improvements from Bowers Avenue to De la Cruz Boulevard	\$5.0	\$5.0		1996 Measure B sales tax project (partial funding)
21833	Almaden Expressway level-of-service improvements from Blossom Hill Road to Branham Lane	\$4.0	\$4.0		1996 Measure B sales tax project (partial funding)
21836	San Tomas Expressway at Hamilton Avenue level-of-service improvements	\$1.1	\$1.1		
21837	Capitol Expressway level-of-service improvements at McLaughlin Avenue	\$0.5	\$0.5		
21838	Foothill Expressway level-of-service improvements at various locations	\$2.0	\$2.0		
22010	Construct I-280 northbound second exit lane to Foothill Expressway	\$1.0	\$1.0		
22012	Route 237 eastbound auxiliary lane improvement from North First Street to Zanker Road	\$6.0	\$6.0		
22022	Palo Alto Smart Residential Arterials	\$6.2	\$6.2		
22121	Loyola Drive/Foothill Expressway intersection improvements	\$10.0	\$10.0		
22168	Convert one-way streets to two-way streets at various intersections in San Jose	\$20.0	\$20.0		
22246	Blossom Hill Road pedestrian overcrossing and improvements	\$6.8	\$6.8		
22649	Widen Campbell Avenue Bridge over Los Gatos Creek to accommodate pedestrian and bicycle facilities	\$1.5	\$1.5		
22801	Bernardo Avenue pedestrian/bicycle undercrossing at Caltrain tracks	\$5.0	\$5.0		
22802	Extend Hetch Hetchy pathway from Los Altos Avenue to El Camino Real	\$0.4	\$0.4		
22803	Bicycle racks program	\$0.2	\$0.2		
22804	Feasibility study of Stevens Creek Trail connection between Mountain View and Cupertino	\$0.1	\$0.1		
22806	Capitol Avenue/Great Mall Parkway grade separation over Montague Expressway	\$40.0	\$40.0		

(Continues on next page)

# projects by county

## Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>System Efficiency</b> (continued from previous page)					
22809	DeWitt Avenue/Sunnyside Avenue intersection realignment	\$5.0	\$5.0		
22810	San Martin Avenue/Monterey Road railroad crossing improvements	\$1.5	\$1.5		
22811	Church Avenue/Monterey Highway railroad crossing improvements	\$0.6	\$0.6		
22812	Capitol Expressway channelization improvements	\$2.0	\$2.0		
22813	Wedgewood Avenue traffic and pedestrian safety improvements	\$0.6	\$0.6		
22814	Extend Foothill Expressway westbound deceleration lane at San Antonio Road	\$0.5	\$0.5		
22815	Miramonte Avenue bikeway improvements	\$0.8	\$0.8		
22816	Oregon-Page Mill Expressway corridor operational improvements	\$5.0	\$5.0		
22817	Widen Campbell Avenue to accommodate pedestrian and bicycle facilities	\$2.0	\$2.0		
22818	Expressway and city street signals coordination	\$10.0	\$10.0		
22819	Santa Teresa Boulevard/Fitzgerald Avenue intersection improvements	\$0.7	\$0.7		
22820	Expressway traffic signal system upgrade to allow traffic count collection	\$0.5	\$0.5		
22821	Transportation for Livable Communities (TLC) and Pedestrian Program	\$37.4	\$37.4		
22822	Expressway traffic information outlets	\$5.0	\$5.0		
22826	Rengstorff Avenue grade separation at Central Expressway and Caltrain tracks	\$0.3	\$0.3		
22827	Magdalena Avenue/Country Club Drive intersection improvements	\$0.4	\$0.4		
22828	Dixon Landing Road/North Milpitas Boulevard intersection improvements	\$1.0	\$1.0		
22829	Fitzgerald Road/Masten Avenue intersection improvements	\$0.8	\$0.8		
22831	Install traffic signal interconnect systems in Sunnyvale, Palo Alto, Mountain View and Los Altos	\$2.5	\$2.5		
22833	Route 85/Almaden Expressway interim operational improvements	\$2.0	\$2.0		
22834	Widen Route 237 for eastbound auxiliary lane from Mathilda Avenue to Fair Oaks Avenue	\$5.0	\$5.0		
22835	Construct Sunnyvale Caltrain Station overpass/underpass for pedestrians and bicyclists	\$1.8	\$1.8		
22837	Saratoga Avenue and Saratoga-Sunnyvale Road corridor signalization improvements	\$0.5	\$0.5		

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## Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>System Efficiency</b>					
22839	Convert HOV lane to mixed-flow lane on Central Expressway between San Tomas Expressway and De La Cruz (including removing HOV queue jump lanes at Bowers)	\$0.1	\$0.1		
22840	Study to reconfigure Route 85/Almaden Expressway interchange (Caltrans Project Study Report/Project Development Study)	\$0.3	\$0.3		
22841	Los Gatos Creek Trail from San Carlos Street to Guadalupe River	\$5.9	\$5.9		
22842	Route 152/Ferguson Road intersection improvements	\$1.0	\$1.0		
22844	Construct right-turn lane from westbound Monroe Street to San Tomas Expressway	\$1.0	\$1.0		
22845	Construct U.S. 101 southbound auxiliary lane from Ellis Street to east-bound Route 237	\$3.0	\$3.0		
22846	Stevens Creek Trail Reach 4 Central from North Meadow to Dale Avenue neighborhood	\$4.0	\$4.0		
22847	Route 9 bike lanes from Saratoga through Monte Sereno to Los Gatos	\$1.7	\$1.7		
22848	Develop high-occupancy/toll (HOT) lane demonstration project on one freeway corridor in Santa Clara County	\$2.0	\$2.0		
22850	Widen Almaden Plaza Way for a fifth lane at the approach of the Route 85/Almaden Plaza Shopping Center/Alameda Expressway intersection	\$0.8	\$0.8		
22852	Coyote Creek Trail from Hellyer County Park to Anderson Lake County Park	\$1.3	\$1.3		
22854	I-280/Oregon-Page Mill interchange modification	\$5.0	\$5.0		
22855	Coyote Creek Trail connection	\$0.5	\$0.5		
22856	Lawrence Expressway-Saratoga Avenue corridor signal optimization	\$0.1	\$0.1		
22859	Berryessa Creek Trail (Reach 3) between Abel Street and Gill Park	\$0.6	\$0.6		
22860	Replace California Avenue undercrossing of Caltrain tracks and Alama Street	\$5.0	\$5.0		
22861	Bicycle boulevards and bike lanes network	\$5.0	\$5.0		
22862	Alum Rock School District area traffic-calming elements	\$2.2	\$2.2		
22863	Borregas Avenue bike lanes	\$0.2	\$0.2		
22864	Bollinger Road bike lanes from Anza Boulevard and Lawrence Expressway/Miller Boulevard	\$0.4	\$0.4		
22865	Coyote Creek trail from Route 237/Bay Trail to Story/Keyes	\$6.1	\$6.1		
22866	I-280/Lawrence Expressway signal phasing and timing coordination	\$0.1	\$0.1		

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# projects by county

## Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>System Efficiency</b> (continued from previous page)					
22867	Rancho Rinconada neighborhood traffic management plan	\$0.6	\$0.6		
22868	Park Avenue bicycle and pedestrian enhancements	\$1.0	\$1.0		
22869	Guadalupe River Trail from Alviso to I-880	\$5.1	\$5.1		
22870	Study of Uvas Creek trail extension from Gilroy Sports Park to Gavilan College	\$0.2	\$0.2		
22872	Widen Montague Expressway for HOV lanes between I-880 and I-680 (6 mixed-flow, 2 HOV lanes)	\$0.1	\$0.1		
22875	Widen Campbell Avenue Bridge over Los Gatos Creek for pedestrians and bicyclists	\$1.5	\$1.5		
22876	Convert HOV lanes to mixed-flow lanes on Lawrence Expressway from U.S. 101 to Elko	\$0.1	\$0.1		
22877	Design and construct bicycle/pedestrian trail along Sunnyvale east drainage trail from JWC Greenway to Tasman Drive	\$0.5	\$0.5		
22878	Realign Wildwood Avenue to connect with Lawrence Expressway (includes new traffic signal at Lawrence Expressway/Wildwood Avenue intersection)	\$4.3	\$4.3		
22879	U.S. 101 bike/pedestrian overcrossing at Branham Lane	\$5.0	\$5.0		
22880	Winchester Boulevard streetscape improvements	\$4.0	\$4.0		
22881	Construct auxiliary lanes on Lawrence Expressway at the Route 237 interchange	\$3.0	\$3.0		
22882	Bascom Avenue Intelligent Transportation System (ITS) enhancements	\$0.2	\$0.2		
22883	Modify medians on Lawrence Expressway from De Sota Avenue and St. Lawrence Drive/Lawrence Station Road for limited access	\$0.5	\$0.5		
22884	Construct bike lanes on Evelyn Avenue from Sunnyvale Avenue to Reed Avenue	\$0.4	\$0.4		
22885	Extend Los Gatos Creek Trail on west side from Hamilton Avenue to Campbell Avenue	\$2.0	\$2.0		
22886	Widen McKean Road shoulders to accommodate bicycle improvements	\$5.0	\$5.0		
22887	Widen south side of Moody Road from Elena Road westbound by 1,500 feet to accommodate bicycle and pedestrian improvements	\$0.2	\$0.2		
22889	Stevens Creek Trail (Reach 4) south from Dale Avenue neighborhood to Mountain View High School	\$5.0	\$5.0		
22891	Almaden Expressway pedestrian/bike overcrossing	\$5.7	\$5.7		

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<sup>2</sup> Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.



## Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>System Efficiency</b>					
22892	Widen U.S. 101 southbound auxiliary lane from Great America Parkway to Lawrence Expressway	\$2.0	\$2.0		
22893	Widen U.S. 101 for a northbound auxiliary lane from McKee/Julian Street to I-880	\$9.0	\$9.0		
22895	San Tomas Expressway/Route 17 interchange operational improvements	\$2.0	\$2.0		
22896	Coyote Creek Trail (Reach 1) from North McCarthy Boulevard to South Ranch Drive	\$1.2	\$1.2		
22987	Java Drive bikeway between Mathilda Avenue and Crossman Avenue	\$0.4	\$0.4		
22808	Caltrain grade separation program in Santa Clara County	\$10.0		\$10.0	
22910	Intelligent Transportation Systems (ITS) improvements on Santa Teresa Boulevard between Day Road and Mesa Road	\$1.0		\$1.0	
22992	Pedestrian and bicycle improvements	\$10.8		\$10.8	
22993	Local streets and roads improvements (including bicycle and pedestrian amenities, streetscape and signalization)	\$62.6		\$62.6	
22994	I-280 corridor improvements	\$56.0		\$56.0	
22995	Route 85 corridor improvements	\$177.0		\$177.0	
22996	U.S. 101 Central Freeway corridor improvements (I-680/I-280 to Yerba Buena)	\$42.0		\$42.0	
<b>Strategic Expansion</b>					
94117	Transit centers and park-and-ride lots	\$14.0	\$14.0		
98119	Vasona Corridor light-rail extension from downtown San Jose to Winchester Boulevard in Campbell	\$320.4	\$320.4		1996 Measure B sales tax project
98121	Increase Caltrain service from San Jose to Gilroy, includes Caltrain corridor facilities and service improvements	\$136.7	\$136.7		1996 Measure B sales tax and 2000 Traffic Congestion Relief Program (TCRP) project
98140	I-680 Sunol Grade southbound HOV lanes, ramp metering and auxiliary lane from Route 84 to Route 237 (possible value pricing project)	\$22.0	\$22.0		
98175	Widen Montague Expressway from 6 lanes to 8 lanes (6 mixed-flow and 2 HOV lanes) from I-680 to U.S. 101	\$26.4	\$26.4		Allows all-day HOV use
20001	U.S. 101/Bailey Avenue interchange improvements	\$45.0	\$45.0		
21714	Widen U.S. 101 between Monterey Highway and Route 25 (includes an extension to Santa Teresa Boulevard) and construct a full interchange at U.S. 101/Route 25/Santa Teresa Boulevard	\$85.0	\$85.0		

(Continues on next page)

# projects by county

## Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Strategic Expansion</b> (continued from previous page)					
21716	Widen Route 237 from 4 lanes to 6 lanes for HOV lanes between Route 85 and east of Mathilda Avenue	\$36.0	\$36.0		
21717	Widen Route 25 from U.S. 101 to Route 156 from 2 lanes to 6 lanes (includes new interchange at Route 156)	\$10.0	\$10.0		
21720	U.S. 101/Tennant Avenue interchange improvements	\$10.0	\$10.0		
21722	U.S. 101 southbound Trimble Road/De La Cruz Boulevard/Central Expressway interchange improvements	\$27.0	\$27.0		
21723	U.S. 101/Tully Road interchange modifications	\$22.0	\$22.0		
21727	Route 87/U.S. 101 ramp connection to Trimble Road interchange	\$28.0	\$28.0		Project is under construction
21749	Extend Butterfield Boulevard from Tennant Avenue to Watsonville Road	\$14.0	\$14.0		
21760	Double-track segments of the Caltrain line between San Jose and Gilroy	\$100.0	\$100.0		2000 Measure A sales tax and 2000 Traffic Congestion Relief Program (TCRP) project
21787	Palo Alto Intermodal Transit Center (Phase I)	\$50.0	\$50.0		
21794	Bus Rapid Transit corridor: El Camino Real (Line 22) (Phase 1 and 2)	\$7.0	\$7.0		To be determined by a Major Investment Study (MIS)
21797	Route 17 bus service improvements between downtown San Jose and downtown Santa Cruz	\$1.0	\$1.0		2000 Measure A sales tax project
21922	San Jose International Airport connections to Guadalupe Light-Rail Transit (LRT)	\$512.0	\$512.0		2000 Measure A sales tax project
21923	New Bus Rapid Transit corridor: along Stevens Creek Boulevard, El Camino Phase IIIB and Monterey Highway	\$46.0	\$46.0		2000 Measure A sales tax project
22015	I-680/I-880 cross connector (environmental and conceptual engineering)	\$7.0	\$7.0		Includes improvements in Alameda County
22018	U.S. 101/Mathilda Avenue interchange improvements	\$13.0	\$13.0		
22118	Extend Hill Road to Peet Avenue	\$5.0	\$5.0		
22134	Widen U.S. 101 southbound from Story Road to Yerba Buena Road	\$11.0	\$11.0		
22138	Widen U.S. 101 to 4 lanes from Route 25 to Santa Clara/San Benito County line	\$140.0	\$140.0		
22140	Widen U.S. 101 between Cochrane Road and Monterey Highway from 6 lanes to 8 lanes	\$164.0	\$164.0		
22142	U.S. 101/Capitol Expressway interchange improvements (includes new northbound on-ramp from Yerba Buena Road)	\$20.0	\$20.0		

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## Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Strategic Expansion</b>					
22145	Widen westbound Route 237 on-ramp from Route 237 to northbound U.S. 101 to 2 lanes and add auxiliary lane on northbound U.S. 101 from Route 237 on-ramp to Ellis Street interchange	\$8.0	\$8.0		
22153	Extend Mary Avenue north across Route 237	\$50.0	\$50.0		
22156	Route 85 northbound to Route 237 eastbound connector ramp improvements	\$22.0	\$22.0		
22162	Route 237 westbound to Route 85 southbound connector ramp improvements	\$18.0	\$18.0		
22164	Route 237 westbound on-ramp at Middlefield Road	\$8.0	\$8.0		
22169	Widen Coleman Avenue from Hedding Street and a future Autumn Street extension from 4 lanes to 6 lanes	\$14.0	\$14.0		
22170	Construct I-880 overcrossing on Charcot Avenue between Paragon Drive and Old Oakland Road as a reliever route to Montague Expressway and Brokaw Road	\$36.0	\$36.0		
22171	Extend Autumn Street from Julian Street to Coleman Avenue to connect I-880 to west part of downtown San Jose	\$10.0	\$10.0		
22175	Widen Almaden Expressway between Coleman Road and Blossom Hill Road to 8 lanes	\$8.0	\$8.0		
22176	Widen Berryessa Road from I-680 to Commercial Street from 4 lanes to 6 lanes	\$7.0	\$7.0		
22177	Widen Branham Lane from Vista Park Drive to Snell Avenue from 4 lanes to 6 lanes	\$8.2	\$8.2		
22178	Replace 4-lane structure with 6-lane bridge on Calaveras Boulevard over Union Pacific Railroad from Abel Street to Milpitas Boulevard	\$40.0	\$40.0		
22179	Widen Central Expressway between Lawrence Expressway and San Tomas Expressway from 4 lanes to 6 lanes	\$10.0	\$10.0		
22180	Widen Central Expressway between Lawrence Expressway and Mary Avenue to provide auxiliary acceleration and/or deceleration lanes	\$13.0	\$13.0		
22181	Construct 4-lane bridge over Guadalupe River between Almaden Expressway and Fell Avenue to connection sections of Chynoweth Avenue	\$15.0	\$15.0		
22182	Gilman Road/Arroyo Circle traffic signal and intersection improvements	\$7.0	\$7.0		
22183	Widen Lucretia Avenue from 2 lanes to 4 lanes from Story Road to Phelan Avenue	\$9.0	\$9.0		
22185	Widen Oakland Road from 4 lanes to 6 lanes from U.S. 101 to Montague Expressway	\$10.0	\$10.0		

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# projects by county

## Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Strategic Expansion</b> (continued from previous page)					
22186	Widen San Tomas Expressway to 8 lanes between Route 82 and Williams Road	\$28.0	\$28.0		
22422	Widen Senter Road to 6 lanes between Tully Road and Capitol Expressway	\$6.8	\$6.8		
22805	Widen Dixon Landing Road from 4 to 6 lanes between North Milpitas Boulevard and 1-880	\$0.5	\$0.5		
22823	Widen Snell Avenue from 4 lanes to 6 lanes from Branham Lane to Chynoweth Avenue	\$2.8	\$2.8		
22830	Widen First Street/Route 152 to add one eastbound lane from Church Street to Monterey Street	\$1.2	\$1.2		
22832	Widen Route 152 from 2 lanes to 4 lanes from Miller Slough to Holsclaw Road (includes widening existing structures over Llagas Creek and old Llagas Creek and new traffic signal at Gilroy Foods/WTI Trucking entrance)	\$10.0	\$10.0		
22836	Widen Quito Road between Saratoga Avenue and Bucknall Road for channelization and pedestrian and bicycle lane improvements	\$1.9	\$1.9		
22838	Study of Lawrence Expressway/Calvert/I-280 interchange improvements (Caltrans Project Study Report)	\$0.5	\$0.5		
22843	Widen Lawrence Expressway from 6 lanes to 8 lanes between Moorpark/Bollinger and south of Calvert	\$4.0	\$4.0		
22857	Widen U.S. 101 for a southbound auxiliary lane from I-880 to McKee Road/Julian Street	\$8.0	\$8.0		
22858	Widen Union Avenue from 2 lanes to 4 lanes from Los Gatos-Almaden Road to Ross Creek	\$1.7	\$1.7		
22871	Extend 2-lane Uvas Park Drive from Laurel Drive to Wren Avenue	\$2.2	\$2.2		
22874	Route 85/Fremont Avenue ramp improvements	\$2.0	\$2.0		
22888	Widen King Road to 4 lanes from Aborn Road and Barberry Lane	\$1.0	\$1.0		
22894	U.S. 101 Mabury Road/Taylor Street new interchange (environmental and preliminary engineering)	\$2.0	\$2.0		
22897	Widen I-680 northbound for an HOV lane from Route 84 to Calavaras Boulevard	\$25.0	\$25.0		
22902	Future rail corridors to be determined by Major Investment Studies (MIS)	\$188.0	\$188.0		
22979	U.S. 101/Zanker Road/Skyport Drive/Fourth Street interchange improvements (environmental and preliminary engineering)	\$7.0	\$7.0		
21702	U.S. 101/Buena Vista Avenue interchange construction	\$20.0		\$20.0	

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## Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element <sup>1</sup>	Vision Element <sup>2</sup>	Notes
In millions of 2004 dollars					
<b>Strategic Expansion</b>					
21770	Extend Caltrain from Gilroy to Salinas	\$71.0	\$23.5	\$47.5	2000 Traffic Congestion Relief Program (TCRP) project
22017	Construct Route 237 eastbound to Mathilda Avenue flyover offramp	\$17.0		\$17.0	
22014	Downtown/East Valley: Santa Clara/Alum Rock corridor and Capitol Expressway light-rail extension to Nieman Boulevard (environmental, preliminary engineering and right-of-way acquisition)	\$97.0	\$97.0		2000 Measure A sales tax project; Resolution 3434 Regional Transit Expansion Program
22019	Downtown/East Valley: Santa Clara/Alum Rock corridor and Capitol Expressway light-rail extension to Nieman Boulevard (construction reserve only; full project not included in Financially Constrained Element)	\$453.0	\$453.0		2000 Measure A Sales Tax Project; Resolution 3434 Regional Transit Expansion Program; see Santa Clara project #22909 below
22091	Limited access 4-lane facility and partial new alignment between I-5 and U.S. 101	\$432.0		\$432.0	Possible toll road
21921	BART extension into Santa Clara County (environmental, preliminary engineering and right-of-way acquisition)	\$848.0	\$848.0		2000 Measure A sales tax project; Resolution 3434 Regional Transit Expansion Program
22800	BART extension into Santa Clara County (construction reserve only; full project not included in Financially Constrained Element)	\$3,301.0	\$3,301.0		Resolution 3434 Regional Transit Expansion Program; operating funds not identified; see Santa Clara project #22909 below
22909	Operating costs for transit services including BART and Downtown/East Valley light-rail transit	\$2,700.0		\$2,700.0	
22997	U.S. 101 North freeway corridor improvements (north of I-680/I-280 interchange)	\$231.0		\$231.0	